

**Notice of Allowability**

Application No.

09/998,715

Examiner

Richard Chang

Applicant(s)

DAVIS, JOHN

Art Unit

2663

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 01/24/2006.
2. ☒ The allowed claim(s) is/are 1,3-6,8-26,31 and 36-38, now renumbered as 1-28.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

## **DETAILED ACTION**

### **Response to Amendment**

1. Applicants' amendments and arguments, see amendment, filed on 01/24/2006, with respect to Claims 1, 3-6, 8-26, 31 and 36-38 have been fully considered and are persuasive. The 35U.S.C.102/103 rejections have been withdrawn. None of the previously cited reference teaches the Claims 1, 3-6, 8-26, 31 and 36-38.

Claims 2, 7, 27-30, 32-35 had been canceled.

### ***Examiner's Amendment***

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Paul Amrozowicz, Registration No. 45,264 on 2/23/2006.

The application has been amended as follows:

In the specification, change the section title "Detailed Description" to "Summary of the Invention" on page 3, line 12. Also insert a new section title line as "Detailed Description" on page 5, between line 4 and line 5.

***Allowable Subject Matter***

3. Claims 1, 3-6, 8-26, 31 and 36-38 are allowed.

***Examiner's Statement of Reasons for Allowance***

4. The following is an examiner's statement of reasons for allowance:

The prior art along or in combination fails to teach or make obvious the following limitations:

"the IPSec tunnel packet with compressed inner headers includes a tunnel header, an IPSec header, the encapsulated portion, and an authentication code, the method further comprising: at the destination tunnel device, identifying a security association database entry for the tunnel using a security policy index number in the IPSec header; at the destination tunnel device, decrypting the encapsulated portion to determine at least one of the compressed inner protocol header and the padding field, the padding field including a context sub-table identifier to identifies a context sub-table associated with the security association database entry; at the destination tunnel device, retrieving at least one of the inner IP header and the inner protocol header for the subsequent IPSec tunnel packet from the context sub-table; and recreating the subsequent IPSec tunnel packet using the inner IP header and inner protocol header retrieved from the context sub-table" as recited in the independent claim 1, and  
"performing a security operation on the encapsulated portion of the IPSec

tunnel packet with compressed inner headers to determine the compressed inner protocol header and the padding field, the padding field including a context sub-table identifier to identify a context sub-table; retrieving the inner IP header and the inner protocol header for the IPSec tunnel packet from the context sub-table; and recreating the IPSec tunnel packet with full inner headers using the IP header and inner protocol header retrieved from the context sub-table" as recited in the independent claims 6, 26 and 31.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Chang whose telephone number is (571) 272-3129. The examiner can normally be reached on Monday - Friday from 8 AM to 5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Ngo can be reached on (571) 272-3139. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



rkc

Richard Chang  
Patent Examiner  
Art Unit 2663



**RICKY Q. NGO**  
**SUPERVISORY PATENT EXAMINER**